

Please delete the current Abstract and replace it with the following new  
Abstract of the Disclosure:

**--ABSTRACT OF THE DISCLOSURE**

The invention relates to a process and apparatus for determining the risk of flammability of a mixture of two reactive gases A, B, in an inert or base gas, which includes: a step of determining, in the flammability diagram for the A/B/base gas mixture, the change in the composition of the mixture to determine whether or not the composition has passed through the flammability region of the flammability diagram, when A is first injected into the inert or base gas to form a first mixture and then B is injected into the first mixture to form the final mixture; a step of comparing the mixing time, should the region have been passed through, with the chemical induction time for the mixture.--